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JOB SHEET 2-4-36 RUNNING TWO USER FUNCTIONS (at the same time)

INTRODUCTION

Two User Functions may run at the same time. This is convenient when you need to dial out to another WSR-88D site but still need to display a four panel set of products via another User Function. This Job Sheet chains a dial out User Function to itself and executes another User Function to display four different elevation slices of the Base Reflectivity product.

Note the active User Functions display in the upper left corner the Alphanumeric Terminal. The display is "**UF##**" where ## is the User Function number.

One final point to remember, anytime you cancel a User Function, either at the Graphic Tablet or at the Applications Terminal, all User Functions currently running are canceled.

OBJECTIVE

Edit, invoke, and cancel two User Functions at the same time.

REFERENCES

NWS EHB 6-531-1, USERS GUIDE: PUP/RPGOP, Section 11.0

PROCEDURE

Editing User Function 31

- 1. From the Main Menu, type U and press **RETURN**.
 - The User Function Menu is displayed.
- 2. Type **EXA.31** and press **RETURN**.
 - User Function 31 is displayed.

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MAIN MENU

COMMAND: U, FEEDBACK:

Enter command and press return. For assistance, press the HELP button (F5).

1

(C)ONTROL
(S)TATUS
(D)ISPLAY
(R)OUTINE PRODUCT SET
(G)EN AND DISTRIBUTE PRODUCTS
(T)IME LAPSE
(A)RCHIVE
(U)SER FUNCTION

(AD)APTATION DATA (M)ONITOR PERFORMANCE (H)ELP

UNACKNOWLEDGED ALERTS ACKNOWLEDGED ALERTS SYSTEM STATUS ALPHA PRODUCT QUEUE INDICATOR RPG PRODUCT REQUEST STATUS

USER FUNCTION MENU

COMMAND: U,EXA,31

FEEDBACK:

Enter command.

(E)XECUTE, <UF#>, <rpg>
(C)ANCEL EXECUTION

(D)EFINE, <UF#>, <title>

(EN)D DEFINE AND EXAMINE *, (E)ND UF

<UF#>, [User function # to receive control]

(W)AIT, <SECONDS>

(EXA)MINE, (T)ITLES

<UF#> * [Examine and edit]

*Note: Edit commands are available when the User Function Examine screen is displayed.

2

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- 3. Type 1,2 and press RETURN.
 - The Feedback line reads, "Select New Command or Function to Insert After 2."
- 4. Type W,360 and press RETURN.
 - This command invokes a wait of 360 seconds (6 minutes) to the User Function.
- 5. Type R,31 and press RETURN.
 - This (R)eplaces the (E)nd command with a command to recall User Function 31. This command in essence, chains User Function 31 to itself in an endless loop.
- 6. Your User Function, with the latest edits, should look like this.
 - This User Function dials out to another WSR-88D and requests a Base Reflectivity and a Base Velocity product. The User Function then waits six minutes and requests these products again. This is an excellent method of receiving products from another radar without having to manually restart this User Function each time you want to make a request.

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```
EXAMINE/EDIT USER FUNCTION 31: RPG_REQ_REF_VEL_0.5
              COMMAND: U,I,2
              FEEDBACK:
                              [EACH EDIT CMD MUST BE PRECEDED BY '(U)SER FUNCTION',]
              EDIT CMDS:
3
                              (DEL)ETE,<LINE#>
                                                         (R)EPLACE END, [(E)ND OR <UF#>]
                              (I)NSERT,<LINE#>
                                                         (REN)AME UF TITLE, < NEW TITLE>
                               0.5 * *
                      D.G.R
              1.
                               0.5 * *
              2.
                      D,G,V
                      U,EN,E
              3.
                               EXAMINE/EDIT USER FUNCTION 31: RPG_REQ_REF_VEL_0.5
              COMMAND: U,W,360
              FEEDBACK:
4
              EDIT CMDS:
                              [EACH EDIT CMD MUST BE PRECEDED BY '(U)SER FUNCTION',]
                              (DEL)ETE,<LINE#>
                                                         (R)EPLACE END, [(E)ND OR <UF#>]
                              (I)NSERT,<LINE#>
                                                         (REN)AME UF TITLE, < NEW TITLE>
                      D,G,R
                               0.5 * *
              1.
                               0.5 * *
                      D,G,V
              2.
                      U,EN,E
                               EXAMINE/EDIT USER FUNCTION 31: RPG_REQ_REF_VEL_0.5
              COMMAND: U,R,31
              FEEDBACK:
5
              EDIT CMDS:
                              [EACH EDIT CMD MUST BE PRECEDED BY '(U)SER FUNCTION',]
                              (DEL)ETE,<LINE#>
                                                         (R)EPLACE END, [(E)ND OR <UF#>]
                              (I)NSERT,<LINE#>
                                                         (REN)AME UF TITLE, < NEW TITLE>
                      D,G,R
                               0.5 * *
              1.
                               0.5 * *
              2.
                      D,G,V
              3.
                      U,W,360
                      U,EN,E
              4.
                               EXAMINE/EDIT USER FUNCTION 31: RPG_REQ_REF_VEL_0.5
              COMMAND: U.
              FEEDBACK: UF31 DEFINITION COMPLETE
6
              EDIT CMDS:
                              [EACH EDIT CMD MUST BE PRECEDED BY '(U)SER FUNCTION',]
                              (DEL)ETE,<LINE#>
                                                         (R)EPLACE END, [(E)ND OR <UF#>]
                              (I)NSERT,<LINE#>
                                                         (REN)AME UF TITLE, < NEW TITLE>
                               0.5 * *
              1.
                      D,G,R
                               0.5 * *
                      D,G,V
              2.
              3.
                      U,W,360
                      U,EN,31
```

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Executing Two User Functions at the same time

7. At the Main Menu of the Applications Terminal, type U and press **RETURN**.

- The User Function Menu displays.
- 8. Type **E.31.<rpg>** and press **RETURN**.
 - Ask your instructor which WSR-88D you are allowed to dial-in to.
 - Notice that as soon as the User Function is invoked, "**UF31**" displays in the upper left corner of the Applications Terminal. This tells you that User Function 31 is running.
 - Note that this User Function has been modified, from JS2-4-35, to continually run. Every six minutes the User Function dials out to the RPG selected and requests a Base Reflectivity and a Base Velocity product. This is a quick and easy method of dialing into another site for products.
 - Remember that the dial out queue can only hold up to 40 products. If the number of requests exceed the queue limit of 40 you will get a message "REQUEST VOID" on the feedback line and the rest of the requests are thrown away.

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MAIN MENU

COMMAND: U

Enter command and press return. For assistance, press the HELP button (F5).

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(C)ONTROL
(S)TATUS
(D)ISPLAY
(R)OUTINE PRODUCT SET
(G)EN AND DISTRIBUTE PRODUCTS
(T)IME LAPSE
(A)RCHIVE
(U)SER FUNCTION
(AD)APTATION DATA
(M)ONITOR PERFORMANCE

UNACKNOWLEDGED ALERTS ACKNOWLEDGED ALERTS SYSTEM STATUS ALPHA PRODUCT QUEUE INDICATOR RPG PRODUCT REQUEST STATUS

USER FUNCTION MENU

COMMAND: U, **E,31, KRPG**

FEEDBACK:

(H)ELP

Enter command.

8

(E)XECUTE, <UF#>, <rpg>

(C)ANCEL EXECUTION (D)EFINE, <UF#>, <title>

(EN)D DEFINE AND EXAMINE *, (E)ND UF

<UF#>, [User function # to receive control]

(W)AIT, <SECONDS>

(EXA)MINE, (T)ITLES

<UF#> * [Examine and edit]

*Note: Edit commands are available when the User Function Examine screen is displayed.

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- 9. At the Graphic Tablet select **UF4** (either button).
 - User Function 4 is executed. Note that "UF4" displays in the upper left corner, next to UF31. Both User Functions are now running.
- 10. At the Graphic Tablet select CANCEL UF.
 - This command cancels the execution of all User Functions currently running.
 - Notice the feedback line indicates that the User Functions are canceled.
 Note that the upper left corner of the Applications Terminal is not displaying any active User Functions.
 - Any time you cancel a User Function, either by selecting <u>Cancel UF</u> at the Graphics Tablet or typing <u>U,C</u> at the Applications Terminal, all currently running User Functions are canceled.

ADDITIONAL INFORMATION

The PUP will queue up to 40 product requests to multiple RPGs. When the PUP is finished with all queued requests for the first RPG and the line disconnects, the PUP will automatically dial the next RPG. Earlier software problems where operators were forced to add extra "wait" commands in User Functions to avoid getting an error message have been corrected.

END

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GRAPHIC TABLET

	KEYBOARD SYN														SYMI	MBOLS				USE	ER FUNC						
	_															-	$\overline{}$								_		
PARAMETERS EDIT COMMANDS		EDIT ANNOT	EDIT I		T A	ADD ALERT BOX	DEL RCTL	ADD RCTL		EDIT PAF	RCM RT A	EDI PA	T RCM ART C	57 25	58 26	59 27	60 28	61 29	62 30	63 31	64 32	26	27	28	29	30	
	ſ	EDIT MAP	HIGH DETAIL	! 1	@ 2	# 3	\$ 4	% 5	6	& 7	8	9	0	+	BACK SPACE	51 19	52 20	53 21	54 22	55 23	56 24	21	22	23	24	25	1
		START ERASE	END ERASE	Q	w	E	R	т	Υ	U	1	0	P	-	RET	45 13	46 14	47 15	48 16	49 17	50 18	16	17	18	19	20	1
		START LINE	END LINE	A	s	D	F	G	н	J	к	L	,		UPPER	39 7	40 8	41 9	42 10	43 11	44 12	11	12	13	14	15	İ
		CANCEL EDIT	EXIT EDIT & SAVE	z	x	С	v	В	N	М	٧ ,	۸ ٠	?	SPACE	LOWER	33	34 2	35 3	36 4	37 5	38 6	6	7	8	9	10	1
	֡֡֡֡֡֡֡֡֡֡֡֡֡	AZRAN SELECT CROSS																		9	_	UF1	2	3	4	5	1
	ŀ	SECTION SELECT	4																			CANCEL UF	ANCEL SPEED UF DOWN	SPEED UP	FRAME BACK	FRAME FORWARD	h
	ŀ	TIME	1																10			TIME LAPSE	ME TIME PSE LAPSE	TIME LAPSE 2	TIME LAPSE		_
	t	DATE																				AUTO RES/HLT	QUAD	QUAD 2	RECENTER MAG 1X	R RECENTER MAG 2X	DISPLAY FUNCTIONS
	F	REPEAT COUNT]																			FULL SCREEN	QUAD	QUAD	RECENTER MAG	DECENTED	\ \ \ \ <u>\</u>
	ŀ	END HOUR SLICE/	-																			CLEAR	FILTER	COMBIN	4X	MAG 8X NE CURSOR HOME DEFINE	
	ŀ	CENTER AZIMUTH	┨																			SCREEN/ QUAD BLINK COLOR	RESTOR	E GRAY/COL	CURSOR	DEFINE CURSOR LINK/UNLINK	SNOI
	t	CENTER RANGE	1																			LEVEL	DISPLAYI PRODUC HARD COPY	<u>'</u>	MAROAL	AZRAN R/	
	L	STORM DIRECTION																	QUADRAN	1	PRESET CENTER	CURRENT	LAT LON/ AZRAN H	K ¤			
	ŀ	STORM SPEED CONTOUR	4																			ACK ALERT	CELL TREND		SECTION	ANNOT'S AN	
	ŀ	ALL/ONE SWA	┨																		HAIL		TVS M	STORM TRACK TV ST	ATTRIBUTE AT COMBINED		
	ľ	MATCH PARA- METERS	1																			ALERT AREA 1	_	1440	sw	SHEAR CONTOUR SC	PRODUCT OVERLAYS
	Į	DEFAULT PARA- METERS																				OVERLAY: OFF/ON	OVERLA ERASE	OVERLA DELETE		PAGE ATTRIBUTE	J Ays
	L	ELEVATION UP ELEVATION	PRIO	LOW PRIORITY REQUEST		LAY	BAS REF BAS VEL	F R SE	COM	IP F CR	COM REF CONTO	F DUR CRC REL	ECH TOP COUNT	PS ITOUR ETC HO PS	VEL CROSS SECTION	EF DSS TION RCS	PROE	K DUCT	DISF QUE PRO	UED	PROI	OUCT /ON	MAPS OFF/ON	MAPS ERASE	MAPS FOREGD/ BACKGD	CANCEL HELP	
	ŀ	DOWN	MA	MAPS BLANK RPG TIME DATE REQ		STM VE REG			L	STM I VE MA	EL DSS TION VCS					PROD	UCT CK	PROI	DUCT VARD	TRAN SCR PROI	EEN .	STATE AT/LON ST	COUNTY	HIGHWAY	RADAR SITES		
	ŀ	DED ASSOC RPG	.131	DATE	8		BAS SPECT	RUM	COMB	INED	COMBI SHE	NED AR	COME	ET SINED ENT	SPECT WIE CRO	TRUM OTH OSS	NEXE	IT	CLI	EAR EUE	REDIS	ST	RIVER	RIVER BASIN	RDA	RANGE RING	1
	ŀ	DIAL-UP ASSOC	-	13 NM LEVEL 27 NM 16 LEVEL		6	ONE HOUR		THREE HOUR		STO	CSC RM AL	US SELEC	CM ER TABLE	STO	RM	TORN	ADO	RAI COI MESS		AL	WARINING		MIL OPN		LFM	
	ŀ	RPG RPG 1	.54	NM	HIC		PRECIP OHP MESO		PRECIP T SEVERE WEATHE	THP	WEA	CIP STP	VERTIC	USP	VELC	STI	SIGNA	TVS		RCM NA	PRODI	JCTS VA D	AREA WA STRCTD	AREA MO	POLAR GRID	GRID LF	
	ŀ	RPG 2	1.11	NM	M MID				PROBA	BILITY	REGI	ON WER	LIC	RATED UID VIL	DISF	VAD		AIL HI	R	ef Swr	VEL/ SW	SRR ''	AREA RA	PRHBTD AREA PA	AIRWAY HIGH AH	CITY	
	1	RPG 3	2.2	NM	LC AL		CO! REF!	AP	LRM REMO	AP VED APR	COM REF A	IP			VA WII PRO	ND	HYB SC. RE	AN	SPEC WIE	VA TRUM DTH SWW	SV	VA EAR I	NAVAID NA	AIRPORT AP	AIRWAY LOW AL	COUNTY NAMES CN	
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	PARAMETERS PRODUCTS													BACKGROUND MAPS													